



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141009

**Mode:** Highway

**Status:** Submitted

### US-70 (Arendell Street)

**From/Cross Street:** (4th Street)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** SR 1175 (Radio Island Road)

**Project Category:** Statewide Mobility

**Length:** 1.35

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$71,514,000

#### Description:

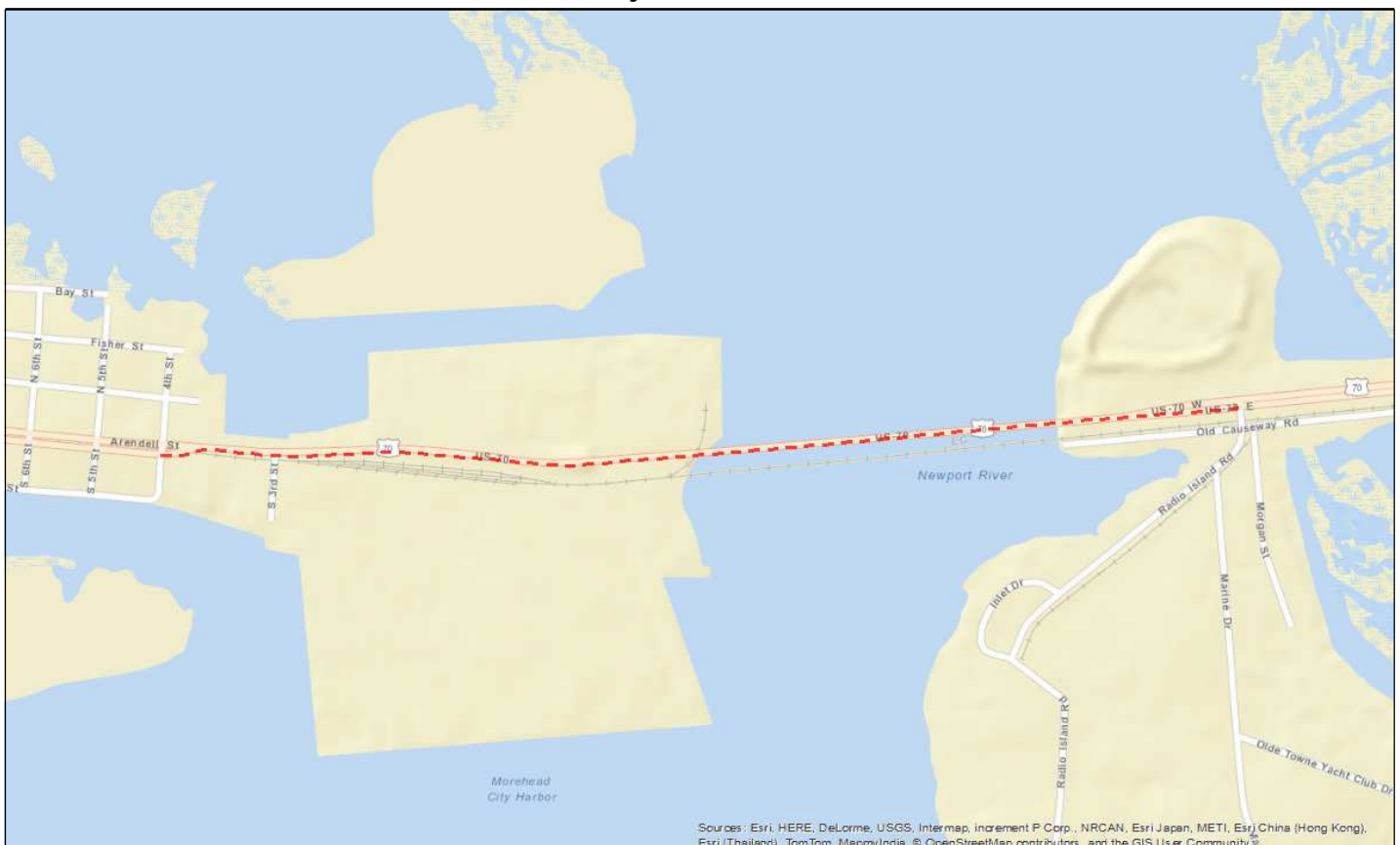
Convert the existing 2-4 lane facility to a 4 lane boulevard with a new 4 lane bridge over the Newport River and a compressed diamond interchange at the intersection of US 70 and SR 1175.

**Division(s):** Division 2

**County(s):** CARTERET

**MPOS(s)/RPO(s):** Down East RPO

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

**Statewide Mobility Total Score: 36.97**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 64.78 Safety (10%) 48.69 Economic Competitiveness (10%) 16.92 Multimodal + [Freight & Military] (20%) 51.85 [Travel Time] Benefit/Cost (30%) 2.00	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 36.97</b>		

**Regional Impact Total Score: 55.54**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 48.69 Multimodal + [Freight & Military] (25%) 51.85 [Travel Time] Benefit/Cost (20%) 2.00	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 25.54</b>		

**Division Needs Total Score: 27.88**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 64.78 Safety (20%) 48.69 Multimodal + [Freight & Military] (10%) 51.85	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 27.88</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	1.35
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	19000
Capacity:	19936.19
Volume/Capacity Ratio:	0.95
% Autos:	96%
% Trucks:	4%
Truck Volume:	840
Crash Density:	23.25
Crash Severity:	78.9
Critical Crash Rate:	43.94
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	84
Actual Congested Speed:	33
Travel Time Index:	1.36

**Project Benefits**

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	1.35
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	6330125.78
Travel Time Savings for 30 Years (Autos):	6050267.63
Travel Time Savings for 30 Years (Trucks):	279858.15
Long-Term Employment:	112.23
% Change in Economy:	0.00022614
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Down East RPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 2	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Down East RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$64,480,000	Cost Estimation Tool
Right-of-Way Cost:	\$6,280,000	Cost Estimation Tool
Utilities Cost:	\$754,000	Cost Estimation Tool
Total Project Cost:	\$71,514,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$71,514,000</b>	



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141069

**Mode:** Highway

**Status:** Submitted

### NC-11

**From/Cross Street:** SR 1110 (Hanrahan Road)

**Specific Improvement Type:** 10 - Improve Intersection

**To:**

**Project Category:** Regional Impact

**Length:** 0.5

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$1,550,000

#### Description:

Upgrade intersection at NC 11 and SR 1110 (Hanrahan Road)

**Division(s):** Division 2

**County(s):** PITT

**MPOS(s)/RPO(s):** Mid-East RPO

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community